

AMENDMENTS TO THE SPECIFICATION:

Below the title and above "Origin of Invention" amend as follows:

CROSS-REFERENCE TO RELATED APPLICATION

This is a continuation of Application No. 09/972,296 filed October 2, 2001, now
U.S. Patent 6,664,298 dated 12/16/2003.

Please replace the first full paragraph on page 8, lines 4-14 with the following amended paragraph:

The zero-valent metal emulsion contains a surfactant stabilized biodegradable ~~oil-in-~~
~~water~~ water-in-oil emulsion with zero-valent metal particles contained within emulsion micelles. In one preferred embodiment, a zero-valent iron emulsion containing zero-valent nanoscale iron particles or microscale iron particles is used to dehalogenated DNAPLs. However, other zero-valent metal particles and combinations may be used, including various bimetallic particle combinations and, more specifically, iron particles doped with palladium. In the preferred zero-valent iron emulsion, a very active zero-valent iron emulsion contains 32-53 wt.% oil, 36-59 wt.% water, 6.4-10.6 wt.% iron particles, 1.0-1.8 wt.% surfactant. More preferably, the zero-valent iron emulsion contains 42.7 wt.% oil, 47.4 wt.% water, 8.5 wt.% iron particles, 1.4 wt.% surfactant. However, other ranges of oil, water, iron particles, and surfactant may also be effective to dehalogenate DNAPLs as shown in the Examples below.